(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 26 May 2005 (26.05.2005)

(10) International Publication Number WO 2005/048397 A2

(51) International Patent Classification7:

H010

(21) International Application Number:

PCT/CA2004/001973

(22) International Filing Date:

17 November 2004 (17.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/481,654

17 November 2003 (17.11.2003)

(71) Applicant (for all designated States except US): SST WIRELESS INC. [CA/CA]; 800 - 1708 Dolphin Avenue, Kelowna, British Columbia V1Y 9S4 (CA).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): LEE, Tae Ri [CA/CA]; 11791 Cascade Drive, Delta, British Columbia V4E 3C3 (CA). SCHNARE, Gordon, Graham [CA/CA]; 659 Commonage Road, Vernon, British Columbia V1H 1G3 (CA). BOUDREAU, Michael [CA/CA]; 451 - 20th Street, Salmon Arm, British Columbia VIE 1J4 (CA).
- (74) Agent: EDWARDS, Antony, C.; 800 1708 Dolphin Avenue, Kelowna, British Columbia V1Y 9S4 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH. PL. PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FL FR. GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

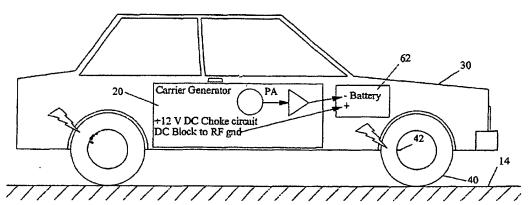
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MACHINE BODY ANTENNA



(57) Abstract: A communication antenna for communications with a near field device using at least one transmitter and receiver pair, wherein the antenna includes a machine body antenna which is electrically isolated from ground and includes an electrically conductive machine frame, and which, when in electrical communication with one transmitter or receiver element of the transmitter and receiver pair, is excited so as to enable communication between the transmitter and receiver pair when the other of the transmitter or receiver elements is in electrical communication with the near field device and mounted within the near field of the machine body antenna without being in contact with the machine body antenna.